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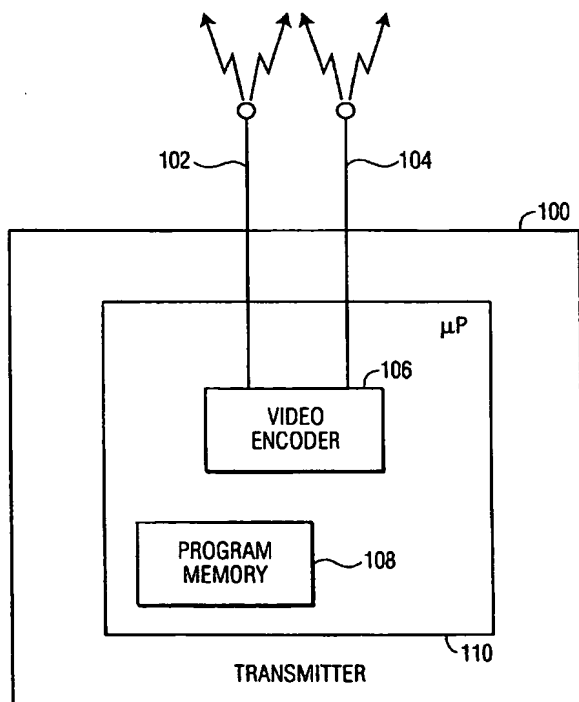
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(54) Title: **CONTENT-ADAPTIVE MULTIPLE DESCRIPTION MOTION COMPENSATION FOR IMPROVED EFFICIENCY AND ERROR RESILIENCE**



(57) Abstract: A multiple description coding method is applied to video, and optimized to preclude transmission to the decoder of mismatch correction information that applies to portions of a frame outside a region of interest. Additional bit efficiency is realized by selectively updating, based on video content, the weighting of prediction frames motion compensated from corresponding frames used in estimating a current frame. Frequency of update is adaptively determined based on the realized increased accuracy of prediction and concomitant residual image bit savings as compared, in tradeoff, with the need to more frequently transmit the updated weights to the receiver.

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